REGIONAL CIRCULATION ELEMENT (CE) MAPS

Attachment A provides a countywide summary of the Proposed CE Road Network for GP2020, which is the network associated with the August 2006 Draft Land Use Map. Information in Attachment A is organized as follows:

List of Figures:

- A-1: Proposed CE Road Network North County Communities
- A-2: Proposed CE Road Network East County Communities
- A-3: Proposed CE Road Network Backcountry Communities

List of Tables:

- A-1: Summary of Differences between the Proposed and Board Map Networks
- A-2: Proposed Road Network Summary
- A-3: Board Map Network Summary
- A-4: Base Year 2000 Network Summary
- A-5: Comparison of Percent of Failing Road Segments

LEVEL OF SERVICE SUMMARY

LOS tables in Attachment A provide a countywide summary of lane miles in the Proposed CE Road Network forecast to operate at a failing LOS for the August 2006 Draft Land Use Map. The largest percent of lane miles operating at LOS E/F are the North County freeways followed by the East County freeways. North County has more than twice the percent of total LOS E/F roads than the other two counties combined. In contrast, Backcounty communities are forecast to operate with virtually no lane miles of LOS E/F roadways.

LOS tables in Attachment A also provide a countywide summary of lane miles in the Board Map Network forecast to operate at a failing LOS for the August 2006 Board Alternative Map. Staff recommended a change to the CE network for the Board Map Network only when forecast models showed new LOS E/F road segments. Under those circumstances, newly deficient roads were upgraded. However, if a road was accepted as operating at LOS E/F on the Proposed Road Network, then no change was recommended for the Board Map Network unless traffic volumes increased substantially.

BOARD MAP NETWORK

Illustrated changes for the proposed Board Map Network are included on community maps in Attachment C. A summary of those changes is shown in Table A-1 on the following page.

Table A-1: Summary of Differences between the Proposed and Board Map Networks

Community	Road	Segment	Proposed Road Network	Board Map Network
Fallbrook/ Rainbow	Old Highway 395	East Mission Road to Rainbow Valley Blvd.	2.1D Community Collector with Improvement Options	4.1B Major Road with Intermittent Turn Lanes
Valley Center	Valley Center Road	New Road (east of Cole Grade) to Mac Tan Road	2.1D Community Collector with Improvement Options	4.1B Major Road with Intermittent Turn Lanes
	Woods Valley Road	New Road (east of Valley Center Rd) to Bates Nut Farm entrance	4.1B Major Road with Intermittent Turn Lanes	
Alpine	Tavern Road	Tavern Lane to Alpine Blvd.	4.1A Major Road with Raised Median	6.2 Prime Arterial
Jamul/Tecate/ Potrero	SR 94	Melody Lane to Harris Ranch Road	2.1D Community Collector with Improvement Options	4.1B Major Road with Intermittent Turn Lanes
Tecate	SR 188	SR 94 to International Border	4.1A: Major Road with Raised Median	6.2 Prime Arterial

Figure A-1

Figure A-2

Figure A-3

Table A-2: Proposed Road Network Summary

	Freeways		State Hi	ghways	County	Roads	TOTAL	
Community Plan Area	Lane Miles	LOS E/F Lane Miles						
Bonsall	74.9	43.8	24.4	19.5	92.8	6.6	192.1	69.8
Fallbrook	71.0	40.3	25.0	8.2	156.4	20.6	252.4	69.0
N. County Metro	78.8	34.5	17.7	0.6	187.3	8.9	283.9	44.0
Pala-Pauma	0.0	0.0	57.8	0.0	46.2	0.0	104.0	0.0
Pendleton-DeLuz	171.3	65.4	0.1	0.1	59.1	1.1	230.4	66.6
Rainbow	37.0	30.9	0.0	0.0	18.5	3.2	55.6	34.1
San Dieguito	0.0	0.0	0.0	0.0	97.7	3.2	97.7	3.2
Valley Center	0.0	0.0	0.0	0.0	180.2	20.3	180.2	20.3
North County Subtotal	433.1	214.8	125.0	28.4	838.2	63.9	1,396.3	307.1
Alpine	47.7	4.3	0.0	0.0	109.0	5.9	156.7	10.2
Barona	0.0	0.0	0.0	0.0	16.2	4.0	16.2	4.0
County Islands	15.9	5.2	0.0	0.0	6.8	2.6	22.7	7.7
Crest/Dehesa	0.0	0.0	0.0	0.0	65.8	0.0	65.8	0.0
Jamul/Dulzura	0.0	0.0	63.1	1.1	98.4	3.3	161.5	4.4
Lakeside	46.7	21.3	41.9	5.4	183.2	22.0	271.8	48.7
Otay	15.0	1.4	0.0	0.0	57.4	2.3	72.3	3.7
Ramona	0.0	0.0	64.8	1.5	133.1	4.2	197.9	5.7
Spring Valley	34.2	11.9	0.0	0.0	63.1	8.1	97.4	20.0
Sweetwater	47.4	7.3	0.0	0.0	27.5	4.2	74.9	11.5
Valle de Oro	1.8	0.0	17.8	0.0	96.0	9.4	115.7	9.4
East County Subtotal	208.8	51.4	187.7	0.8	856.4	65.9	1,252.8	125.3
Central Mountain	65.7	0.0	42.6	0.0	125.9	0.0	234.1	0.0
Desert-Borrego Springs	0.0	0.0	60.2	0.0	266.4	0.0	326.6	0.0
Julian	0.0	0.0	35.0	0.0	24.4	0.0	59.3	0.0
Mountain Empire	98.7	0.0	74.1	0.0	137.6	0.0	310.4	0.0
North Mountain	0.0	0.0	123.7	0.0	120.7	0.0	244.4	0.0
Backcountry Subtotal	164.3	0.0	335.6	0.0	675.0	0.0	1,174.9	0.0
TOTAL	806.2	266.2	648.3	36.3	2,369.5	129.8	3,824.0	432.4

Table A-3: Board Map Network Summary

	Freeways		State Hi	ghways	County	Roads	TOTAL	
Community Plan Area	Lane Miles	LOS E/F Lane Miles						
Bonsall	74.9	43.8	24.4	19.5	92.8	6.6	192.1	69.8
Fallbrook	71.0	40.3	25.0	8.2	157.5	19.4	253.6	67.9
N. County Metro	78.8	34.5	17.7	0.6	187.3	8.9	283.9	44.0
Pala-Pauma	0.0	0.0	57.8	0.0	46.2	0.0	104.0	0.0
Pendleton-DeLuz	171.3	65.4	0.1	0.1	59.1	1.1	230.4	66.6
Rainbow	37.0	30.9	0.0	0.0	24.3	0.0	61.3	30.9
San Dieguito	0.0	0.0	0.0	0.0	97.7	3.2	97.7	3.2
Valley Center	0.0	0.0	0.0	0.0	189.0	17.8	189.0	17.8
North County Subtotal	433.1	214.8	125.0	28.4	853.9	57.1	1,412.0	300.2
Alpine	47.7	4.3	0.0	0.0	109.7	6.1	157.4	10.5
Barona	0.0	0.0	0.0	0.0	16.2	4.0	16.2	4.0
County Islands	15.9	5.2	0.0	0.0	6.8	2.6	22.7	7.7
Crest/Dehesa	0.0	0.0	0.0	0.0	65.8	0.0	65.8	0.0
Jamul/Dulzura	0.0	0.0	91.7	0.0	98.4	3.3	190.1	3.3
Lakeside	46.7	21.3	41.9	5.4	183.2	22.0	271.8	48.7
Otay	15.0	1.4	0.0	0.0	57.4	2.3	72.3	3.7
Ramona	0.0	0.0	64.8	1.5	133.1	4.2	197.9	5.7
Spring Valley	34.2	11.9	0.0	0.0	63.1	8.1	97.4	20.0
Sweetwater	47.4	7.3	0.0	0.0	27.5	4.2	74.9	11.5
Valle de Oro	1.8	0.0	17.8	0.0	96.0	9.4	115.7	9.4
East County Subtotal	208.8	51.4	216.3	6.9	857.1	66.2	1,282.1	124.5
Central Mountain	65.7	0.0	42.6	0.0	125.9	0.0	234.1	0.0
Desert-Borrego Springs	0.0	0.0	60.2	0.0	266.4	0.0	326.6	0.0
Julian	0.0	0.0	35.0	0.0	24.4	0.0	59.3	0.0
Mountain Empire	98.7	0.0	90.6	0.0	137.6	0.0	326.8	0.0
North Mountain	0.0	0.0	123.7	0.0	120.7	0.0	244.4	0.0
Backcountry Subtotal	164.3	0.0	352.0	0.0	675.0	0.0	1,191.3	0.0
TOTAL	806.2	266.2	693.3	35.2	2,385.9	123.3	3,885.4	424.7

TableA-4: Base Year 2000 Network Summary

	Freeways		State Hi	ghways	County	Roads	TOTAL	
Community Plan Area	Lane Miles	LOS E/F Lane Miles						
Bonsall	49.9	0.0	8.7	8.7	79.7	12.1	138.4	20.8
Fallbrook	47.3	0.0	13.3	3.5	131.2	21.0	191.8	24.5
N. County Metro	53.4	1.7	10.9	0.0	143.6	21.4	207.9	23.2
Pala-Pauma	0.0	0.0	48.3	0.0	39.3	0.0	87.6	0.0
Pendleton-DeLuz	144.1	0.0	0.1	0.1	26.2	9.8	170.4	9.9
Rainbow	24.7	0.0	0.0	0.0	19.2	0.0	43.9	0.0
San Dieguito	0.0	0.0	0.0	0.0	87.4	25.0	87.4	25.0
Valley Center	0.0	0.0	0.0	0.0	120.1	10.1	120.1	10.1
North County Subtotal	319.4	1.7	81.2	12.3	646.9	99.5	1,047.5	113.5
Alpine	47.7	0.0	0.0	0.0	111.1	4.7	158.8	4.7
Barona	0.0	0.0	0.0	0.0	16.2	4.0	16.2	4.0
County Islands	15.0	6.8	0.0	0.0	5.8	1.3	20.8	8.1
Crest/Dehesa	0.0	0.0	0.0	0.0	49.5	10.6	49.5	10.6
Jamul/Dulzura	0.0	0.0	39.6	6.0	138.1	0.0	177.6	6.0
Lakeside	36.8	2.2	22.4	20.0	166.0	21.3	225.2	43.4
Otay	0.0	0.0	0.0	0.0	19.4	0.0	19.4	0.0
Ramona	0.0	0.0	54.9	16.9	111.9	5.0	166.8	21.9
Spring Valley	10.4	3.6	0.0	0.0	56.6	6.6	67.0	10.2
Sweetwater	17.4	1.9	0.0	0.0	28.8	8.2	46.2	10.1
Valle de Oro	1.2	0.0	8.9	8.9	81.1	11.4	91.2	20.2
East County Subtotal	128.5	14.4	125.7	51.8	784.4	73.1	1,038.6	139.3
Central Mountain	65.7	0.0	35.8	0.0	154.5	0.0	255.9	0.0
Desert-Borrego Springs	0.0	0.0	50.5	0.0	215.2	0.0	265.7	0.0
Julian	0.0	0.0	35.0	0.0	19.2	0.0	54.2	0.0
Mountain Empire	98.7	0.0	67.1	0.0	186.6	0.0	352.3	0.0
North Mountain	0.0	0.0	97.8	0.0	152.5	0.0	250.4	0.0
Backcountry Subtotal	164.3	0.0	286.1	0.0	728.0	0.0	1,178.4	0.0
TOTAL	612.2	16.2	493.1	64.0	2,159.3	172.6	3,264.6	252.8

Table A-5: Comparison of Percent of Failing Road Segments: Year 2000, Proposed Road Network, Board Map Network

	Free	ways	St	ate Highway	/S	С	County Roads		TOTAL			
Community Plan Area	Base Year 2000	Proposed Road Network*	Base Year 2000	Proposed Road Network	Board Map Network	Base Year 2000	Proposed Road Network	Board Map Network	Base Year 2000	Proposed Road Network	Board Map Network	
Bonsall	0.0%	58.4%	100.0%	79.8%	79.8%	15.2%	7.1%	7.1%	15.0%	36.3%	36.3%	
Fallbrook	0.0%	56.7%	26.2%	32.6%	32.6%	16.0%	13.2%	12.3%	12.8%	27.3%	26.8%	
N. County Metro	3.3%	43.8%	0.0%	3.5%	3.5%	14.9%	4.7%	4.7%	11.2%	15.5%	15.5%	
Pala-Pauma	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Pendleton-DeLuz	0.0%	38.2%	100.0%	100.0%	100.0%	37.5%	1.8%	1.8%	5.8%	28.9%	28.9%	
Rainbow	0.0%	83.3%	0.0%	0.0%	0.0%	0.0%	17.4%	0.1%	0.0%	61.4%	50.4%	
San Dieguito	0.0%	0.0%	0.0%	0.0%	0.0%	28.6%	3.3%	3.3%	28.6%	3.3%	3.3%	
Valley Center	0.0%	0.0%	0.0%	0.0%	0.0%	8.4%	11.3%	9.4%	8.4%	11.3%	9.4%	
North County	0.5%	49.6%	15.1%	22.7%	22.7%	15.4%	7.6%	6.7%	10.8%	22.0%	21.3%	
Alpine	0.0%	9.1%	0.0%	0.0%	0.0%	4.2%	5.4%	5.6%	3.0%	6.5%	6.6%	
Barona	0.0%	0.0%	0.0%	0.0%	0.0%	24.6%	24.6%	24.6%	24.6%	24.6%	24.6%	
County Islands	45.1%	32.4%	0.0%	0.0%	0.0%	22.7%	37.8%	37.8%	38.8%	34.0%	34.0%	
Crest/Dehesa	0.0%	0.0%	0.0%	0.0%	0.0%	21.5%	0.0%	0.0%	21.5%	0.0%	0.0%	
Jamul/Dulzura	0.0%	0.0%	15.1%	1.7%	0.0%	0.0%	3.3%	3.3%	3.4%	2.7%	1.7%	
Lakeside	5.9%	45.7%	89.2%	12.8%	12.8%	12.8%	12.0%	12.0%	19.3%	17.9%	17.9%	
Otay	0.0%	9.2%	0.0%	0.0%	0.0%	0.0%	4.0%	4.0%	0.0%	5.1%	5.1%	
Ramona	0.0%	0.0%	30.8%	2.3%	2.3%	4.5%	3.2%	3.2%	13.1%	2.9%	2.9%	
Spring Valley	34.7%	34.9%	0.0%	0.0%	0.0%	11.6%	12.8%	12.8%	15.2%	20.6%	20.6%	
Sweetwater	10.7%	15.4%	0.0%	0.0%	0.0%	28.5%	15.2%	15.2%	21.8%	15.3%	15.3%	
Valle de Oro	0.0%	0.0%	100.0%	0.0%	0.0%	14.0%	9.8%	9.8%	22.2%	8.2%	8.2%	
East County	11.2%	24.6%	41.2%	4.2%	3.2%	9.3%	7.7%	7.7%	13.4%	10.0%	9.7%	
Central Mountain	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Desert-Borrego	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Julian	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mountain Empire	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
North Mountain	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Backcountry	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	2.6%	33.0%	13.0%	5.6%	5.1%	8.0%	5.5%	5.2%	7.7%	11.3%	10.9%	